AMENDMENTS TO THE CLAIMS

 (Previously Presented) An isolated DNA comprising a nucleotide sequence encoding the following polypeptide (a) or (b):

- (a) a polypeptide, consisting of an amino acid sequence identical to the amino acid sequence represented by SEO ID NO: 2: or
- (b) a polypeptide, consisting of an amino acid sequence derived from the amino acid sequence represented by SEQ ID NO: 2 by deletion, substitution, or addition of within one to twenty amino acids and having N-acetylglucosamine transferase activity.
 - 2. (Previously Presented) An isolated DNA (c) or (d) as follows:
- (c) a DNA, comprising the nucleotide sequence represented by SEQ ID NO: 1 and containing the nucleotide sequence that encodes the amino acid sequence represented by SEQ ID NO: 2; or
- (d) a DNA, hybridizing under stringent condition of 1 x SSC, 0.1% SDS and 37 °C to a DNA consisting of a nucleotide sequence complementary to that of the DNA (c) and encoding a protein having N-acetylglucosamine transferase activity.

3. (Cancelled)

4. (Currently Amended) An expression vector, comprising the DNA of claim 1 or claim 2 a DNA comprising a nucleotide sequence encoding the following polypeptide (a), (b), (c) or (d):

(a) a polypeptide, consisting of an amino acid sequence identical to the amino acid sequence represented by SEO ID NO: 2; or

(b) a polypeptide, consisting of an amino acid sequence derived from the amino acid sequence represented by SEQ ID NO: 2 by deletion, substitution, or addition of within one to twenty amino acids and having N-acetylglucosamine transferase activity

(c) a DNA, comprising the nucleotide sequence represented by SEQ ID NO: 1 and containing the nucleotide sequence that encodes the amino acid sequence represented by SEQ ID NO: 2; or

(d) a DNA, hybridizing under stringent condition of 1 x SSC, 0.1% SDS and 37 °C to a DNA consisting of a nucleotide sequence complementary to that of the DNA (c) and encoding a protein having N-acetylglucosamine transferase activity.

- 5. (Original) A transformant, comprising the vector of claim 4.
- 6.-17. (Cancelled)
- (Currently Amended) An isolated polynucleotide, hybridizing under stringent conditions of 1 x SSC, 0.1% SDS and 37 °C to at least one of: the DNA of claim 1 or 2.
- a DNA comprising a nucleotide sequence encoding the following polypeptide (a), (b), (c) or (d):
- (a) a polypeptide, consisting of an amino acid sequence identical to the amino acid sequence represented by SEO ID NO: 2; or

(b) a polypeptide, consisting of an amino acid sequence derived from the amino acid sequence represented by SEQ ID NO: 2 by deletion, substitution, or addition of within one to twenty amino acids and having N-acetylglucosamine transferase activity

- (c) a DNA, comprising the nucleotide sequence represented by SEQ ID NO: 1 and containing the nucleotide sequence that encodes the amino acid sequence represented by SEQ ID NO: 2; or
- (d) a DNA, hybridizing under stringent condition of 1 x SSC, 0.1% SDS and 37 °C to a DNA consisting of a nucleotide sequence complementary to that of the DNA (c) and encoding a protein having N-acetylglucosamine transferase activity,

wherein the DNA comprises:

- a DNA encoding the amino acid sequence represented by SEQ ID NO: 3 or 4 and consisting of at least 15 nucleotides.
- 19. (Previously Presented) The polynucleotide of claim 18, which consists of the nucleotide sequence encoding the amino acid sequence represented by SEQ ID NO: 3 or 4, or which consists of the nucleotide sequence which is complementary to the nucleotide sequence encoding the amino acid sequence of SEQ ID NO: 3 or 4.
- 20. (Withdrawn) A method for detecting carcinoma using the polynucleotide of claim 18 as a probe, comprising the steps of:
 - (a) bringing a test sample into contact with the polynucleotide; and
 - (b) detecting whether the polynucleotide and the test sample hybridize.

21. (Previously Presented) A method for producing a protein comprising culturing the transformant according to claim 5 and inducing expression of the DNA.